

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



25 B117  
. U6A3



United States  
Department of  
Agriculture

Agricultural  
Marketing  
Service

Volume 20, No. 2  
April -- June  
1992

# Plant Variety Protection Office Official Journal



DEC 14 '93

NATL. LIBRARY



## PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The "Official Journal", published quarterly, is available at no charge from:

Plant Variety Protection Office  
Science Division  
Agricultural Marketing Service  
U. S. Department of Agriculture  
Rm. 500, NAL Bldg.  
10301 Baltimore Blvd.  
Beltsville, Maryland 20705

Telephone: 301/504-5518

## CONTENTS

	PAGE
I. APPLICATIONS: Actions taken April 1, through June 30, 1992	
a) Received.....	3
b) Amended.....	14
II. CERTIFICATES: Actions taken April 1, through June 30, 1992	
a) Issued, and Novelty Based on the Applicant's Claim.....	21
b) Amended.....	44
c) Expired.....	45
III. GENERAL INFORMATION.....	51

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL.	VARIETY	NO.	GEN. (*)	APPL. DATE	NAME OF APPLICANT
<b>ALFALFA</b>					
9200218	5454			06/22/1992	Pioneer Hi-Bred International, Inc.
9200219	5151			06/22/1992	Pioneer Hi-Bred International, Inc.
9200220	5246			06/22/1992	Pioneer Hi-Bred International, Inc.
9200221	Capital			06/22/1992	Pioneer Hi-Bred International, Inc.
<b>BARLEY</b>					
9200167	Tambar 500		(2)	04/29/1992	Texas Agricultural Experiment Station
<b>BEAN, FIELD</b>					
9200164	Blackjack		(2)	04/29/1992	Gen-Tec Seeds, Ltd.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

4

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, FIELD (Continued)				
9200176	Cran 09	(2)	04/30/1992	Gentec, Inc.
9200186	<GTS 0686>	(2)	05/05/1992	Gen-Tec Seeds, Ltd.
BEAN, GARDEN (Continued)				
9200196	Allure		05/21/1992	Asgrow Seed Company
9200197	Flevooro		05/21/1992	Asgrow Seed Company
9200199	DMC 04-14		05/28/1992	Del Monte Corporation
9200200	DMC 08-01		05/28/1992	Del Monte Corporation
9200201	DMC 08-02		05/28/1992	Del Monte Corporation
BLUEGRASS, KENTUCKY				
9200154	Baritia		04/13/1992	Barenbrug Holding

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.



APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
<b>CAULIFLOWER</b>				
9200157	Snowcone		04/14/1992	Ferry-Morse Seed Company
<b>CLOVER, RED</b>				
9200166	Cherokee		04/29/1992	Florida Agricultural Experiment Station
<b>COTTON</b>				
9200150	Terra 292		04/02/1992	Terra International, Inc.
9200188	All-Tex Atlas		05/13/1992	Levelland Delinting, Inc.
9200189	All-Tex Max-9		05/13/1992	Levelland Delinting, Inc.
9200224	ALL-TEX Excess		06/29/1992	Levelland Delinting Inc.
<b>LETTUCE</b>				
9200143	Ultra Green		04/06/1992	Brinker Orsetti Seed Co., Inc. and Summit Seeds, Inc.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

6

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
LETTUCE (Continued)				
9200149	Gilaben	04/08/1992		Ferry-Morse Seed Company
9200158	Impact	04/15/1992		Arthur Yates & Co. Pty. Ltd.
9200207	Sedona	06/04/1992		Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders Sluis,
PAPAYA				
9200203	San Antonio Early	06/03/1992		Mark A. Kammer
9200204	San Antonio Sweet	06/03/1992		Mark A. Kammer
PEA				
9200148	624-2-1-2	04/07/1992		Rogers NK Seed Co.
RYEGRASS, PERENNIAL				
9200155	Baristra	04/13/1992		Barenbrug Holding

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
RYEGRASS, PERENNIAL (Continued)				
9200202	Brightstar		06/01/1992	Pure-Seed Testing, Inc.
9200209	Palmer II		06/16/1992	Lofts Seed, Inc.
9200210	Prelude II		06/16/1992	Lofts Seed, Inc.
9200211	Repell II		06/16/1992	Lofts Seed, Inc.
9200212	Yorktown III		06/16/1992	Lofts Seed, Inc.
SAFFLOWER				
9200156	Morlin	(*)	04/14/1992	Research and Development Institute, Inc.
SORGHUM				
9200225	R160		06/30/1992	Northrup King Co.
9200153	H4464		04/14/1992	Jacob Hartz Seed Company, Inc.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

00

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SOYBEAN				
9200144	SS 461		04/06/1992	Southern States Cooperative, Inc.
9200163	A2242		04/27/1992	Asgrow Seed Company
9200168	S12-22		04/29/1992	Northrup King Co.
9200169	S24-92		04/29/1992	Northrup King Co.
9200170	S25-07		04/29/1992	Northrup King Company
9200171	S28-01		04/29/1992	Northrup King Company
9200172	S35-35		04/29/1992	Northrup King Co.
9200173	S38-83		04/29/1992	Northrup King Company
9200174	3172		04/29/1992	Ciba-Geigy Seeds Division

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SOYBEAN (Continued)				
9200175	3202		04/29/1992	Ciba-Geigy Seeds Division
9200181	A5860		05/01/1992	Asgrow Seed Company
9200182	A5885		05/01/1992	Asgrow Seed Company
9200185	FFR 595		05/05/1992	FFR Cooperative
9200187	HSC 591		05/07/1992	Helena Chemical Company dba Hyperformer Seed Company
9200190	A3200		05/15/1992	Asgrow Seed Company
9200191	9232		05/15/1992	Pioneer Hi-Bred International, Inc.
9200192	9351		05/15/1992	Pioneer Hi-Bred International, Inc.
9200193	9062		05/20/1992	Pioneer Hi-Bred International, Inc.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SOYBEAN (Continued)				
9200194	9312		05/20/1992	Pioneer Hi-Bred International, Inc.
9200195	9831		05/20/1992	Pioneer Hi-Bred International, Inc.
9200198	BT 2919		05/27/1992	Zillier Seed Co., Inc.
9200205	H507		06/03/1992	Jacob Hartz Seed Company, Inc.
9200206	H5566		06/03/1992	Jacob Hartz Seed Company, Inc.
9200208	H5088		06/10/1992	Jacob Hartz Seed Company, Inc.
9200213	A3237		06/17/1992	Asgrow Seed Company
9200215	Delsoy 4210	(3)	06/19/1992	The Curators of the University of Missouri
9200216	Delsoy 4710	(3)	06/19/1992	The Curators of the University of Missouri

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SOYBEAN (Continued)				
9200217	H8558		06/19/1992	Jacob Hartz Seed Company, Inc.
9200222	A2506		06/24/1992	Asgrow Seed Company
9200223	A2835		06/24/1992	Asgrow Seed Company
SUNFLOWER				
9200145	D97 Maintainer	(2)	04/07/1992	Dahlgren & Company, Inc.
9200146	H21 Maintainer	(2)	04/07/1992	Dahlgren & Company, Inc.
9200147	RO91	(2)	04/07/1992	Dahlgren & Company, Inc.
9200165	H24 Maintainer	(2)	04/29/1992	Dahlgren & Company, Inc.
SWEETPEA				
9200177	Bouquet Mid-Blue		04/30/1992	Pan American Seed Co.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SWEETPEA (Continued)				
9200178	Bouquet Salmon Cream Pink		04/30/1992	Pan American Seed Co.
9200179	Bouquet Scarlet		04/30/1992	Pan American Seed Co.
9200180	Bouquet White		04/30/1992	Pan American Seed Co.
WHEAT, COMMON				
9200151	Coker 9105	(3)	04/13/1992	Northrup King Co.
9200152	Coker 9543	(3)	04/13/1992	Northrup King Co.
9200159	2737W		04/17/1992	Pioneer Hi-Bred International, Inc.
9200160	2580		04/17/1992	Pioneer Hi-Bred International, Inc.
9200161	2566		04/17/1992	Pioneer Hi-Bred International, Inc.
9200162	2571		04/17/1992	Pioneer Hi-Bred International, Inc.

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.



APPLICATIONS RECEIVED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
WHEAT, COMMON (Continued)				
9200183	<WI88-181>	(3)	05/01/1992	AgriPro Biosciences Inc.
9200184	Laredo	(3)	05/01/1992	AgriPro Biosciences Inc.
9200214	Glacier	(2)	06/18/1992	Wisconsin Agricultural Experiment Station

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

Information concerning the varieties below has been published previously in the "Official Journal's" list of applications received. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, FIELD 8900127	Cinnabar		03/27/1989	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
8900129	<D80024>		03/27/1989	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
8900189	Marquis		04/19/1989	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
	Variety with temporary designation <D82166> named 'Marquis'.			

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, FIELD (Continued)				
8900191	Schooner		07/31/1992	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
	Variety with temporary designation <D83045> named 'Schooner'. 03/27/90			
8900193	Auburn		07/31/1992	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
	Variety with temporary designation <D83360> named 'Auburn'. 03/27/90			
9200046	Vista	(2)	06/30/1992	Gen-Tec Seeds, Limited
	Variety with temporary designation of <GTS 0286> named 'Vista'.			

-----

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN				
8800110	BBL 156		05/29/1992	Rogers NK Seed Co.
Variety with temporary designation of <BX 156-2-3-6> named 'BBL 156'.				
9000103	Sunrae		06/30/1992	Rogers NK Seed Co.
9000105	BBL 110		07/31/1992	Rogers NK Seed Co.
9000106	Calgreen		07/31/1992	Rogers NK Seed Co.
9000128	Minidoka		07/31/1992	Rogers NK Seed Co.
Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.				

BERMUDAGRASS  
9100085 Primavera  
01/30/1991 Farmers Marketing Corp.

Variety with temporary designation of <GIT-16> named 'Primavera'.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
-----------	---------	----------	------------	-------------------

BERMUDAGRASS (Continued)  
9100086 Sonesta

01/30/1991 Farmers Marketing Corp.

Variety with temporary designation of <NM S-3> named 'Sonesta'.

CAULIFLOWER

8900216 Minaret

07/31/1992 Rijk Zwaan B.V. and Meo Voto B.V.

Name of owner changed from TS Seeds B.V. and Meo Voto Beheer B.V. to Rijk Zwaan B.V. and Meo Voto B.V.

COTTON

9000235 Germain's Acala GC-702

(3) 08/07/1990 Germain's, Inc.

Variety name changed from 'Germain's Acala GC-714' to 'Germain's Acala GC-702'.

LETTUCE

9100027 Aquarius

11/14/1990 Sakata Seed America, Inc.

Variety with temporary designation of <SLE 9601> named 'Aquarius'.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

100

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
--------------	---------	-------------	---------------	-------------------

LETTUCE (Continued)  
9100028 Red Vogue  
11/14/1990 Sakata Seed America, Inc.  
Variety with temporary designation of <SLE 9701> named 'Red Vogue'.

PEA  
9000097 Revolution  
02/23/1990 Rogers NK Seed Co.  
Variety with temporary designation of <P801789-1> named 'Revolution'.  
Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.  
9100175 Sonic  
10/30/1992 Rogers NK Seed Co.

Variety name changed from 'Glacier' to 'Sonic'.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
-----------	---------	----------	------------	-------------------

RAPE

8800237	Lirabon-00	(2)	07/31/1992	Cargill, Inc.
---------	------------	-----	------------	---------------

Name of owner changed from Canola, Inc. to Cargill, Inc.

SOYBEAN

9000213	BT 2585		09/30/1992	Ziller Seed Co., Inc.
9000206	BT 1790		06/12/1990	Ziller Seed Co., Inc.
9100249	BT 1422		08/31/1992	Ziller Seed Co., Inc.
9100250	BT 2877		08/23/1991	Ziller Seed Co., Inc.

Name of owner changed from Ziller Seed Farms, Inc. to Ziller Seed Co., Inc.

TOMATO

8900274	XP 5034		04/30/1992	Asgrow Seed Company
---------	---------	--	------------	---------------------

Variety with temporary designation of <XP 5034> named 'XP 5034'.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1992 TO JUNE 30, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
WHEAT, COMMON				
8800077	W2501	(3)	04/30/1992	AgriPro Biosciences, Inc.
Name of owner changed from Nickerson American Plant Breeders, Inc. to AgriPro Biosciences, Inc.				
8800078	W2502	(3)	04/30/1992	AgriPro Biosciences, Inc.
Name of owner changed from Nickerson American Plant Breeders, Inc. to AgriPro Biosciences, Inc.				
To be sold by variety name only as a class of certified seed with 3 generations of certified seed permitted beyond breeder's seed.				

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.



CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

**BARLEY**

8700021 Semira (3) 05/29/1992 Svalof AB  
 'Semira' is most similar to 'Lamont'; however, 'Semira' has more glaucous heads and smoother lemmas than 'Lamont'. Also, the lemma awns of 'Semira' are equal to or often shorter than the length of the spike whereas the lemma awns of 'Lamont' are equal to or often longer than the length of the spike.

8900140 Bounty (2) 05/29/1992 P. Thomas Wymore  
 'Bounty' is most similar to 'Robust'; however, 'Bounty' has much lower diastatic power (89.3 vs 128.6 degrees) than 'Robust' and is resistant to powdery mildew whereas 'Robust' is susceptible to powdery mildew.

**BEAN, FIELD**

8900186 Mayflower (2) 05/29/1992 Michigan State University  
 'Mayflower' is most similar to 'C-20'. However, 'Mayflower' is 5 days earlier to pod maturity.

8900217 Horizon 04/30/1992 Asgrow Seed Company  
 'Horizon' is most similar to 'Sacramento'; however, 'Horizon' is resistant to bean common mosaic virus, as it has the I gene for resistance, whereas 'Sacramento' does not and is susceptible.

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, FIELD (Continued)				
9200046	Vista			
	(2) 06/30/1992 Gen-Tec Seeds, Limited			
	'Vista' is most similar to 'Mayflower' and 'C 20'; however, 'Vista' is resistant to the alpha race of <u>Colletotrichum lindemuthianum</u> , which causes anthracnose in beans, whereas 'Mayflower' and 'C 20' are susceptible.			
BEAN, GARDEN				
8800069	Early Sunray		06/30/1992	Bakker Brothers of Idaho, Inc.
	'Early Sunray' is most similar to 'Idelight'. However, the pods of 'Early Sunray' reach maturity an average of 4 - 6 days earlier than do those of 'Idelight'.			
8800110	BBL 156		05/29/1992	Rogers NK Seed Co.
	'BBL 156' is most similar to 'BBL 92'; however, 'BBL 156' has a shorter bush (35.9 to 37.9 vs 42.3 to 51.7 cm), a shorter spur (10.4 to 11.0 vs 13.7 to 13.8 mm), and a darker pod color (146C vs 146D) than does 'BBL 92'.			
8800112	Wax 216		04/30/1992	Rogers NK Seed Co.
	'Wax 216' is most similar to 'Goldrush'; however, 'Wax 216' has a greater plant height (exceeding that of 'Goldrush' by reported values of from 5.2 to 10.1 cm), longer pod length (exceeding that of 'Goldrush' by reported values of from 1.4 to 3.7 cm), and larger diameter pod (23-31% of the pods of 'Wax 216' are > 10.72 mm in diameter; none of the pods of 'Goldrush' attain that size class).			

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE	NAME OF OWNER
DATE				

## BEAN, GARDEN (Continued)

8900040 Hialeah

06/30/1992 Ferry-Morse Seed Company  
'Hialeah' is most similar to 'Gator Green'; however, 'Hialeah' flowers earlier than 'Gator Green' (0.6-3.4 days earlier on the average in 4 trials). Also, 'Hialeah' has shorter pods than 'Gator Green' (3 - 9 mm shorter in 5 trials). In addition, 'Hialeah' has more rugose leaves than has 'Gator Green'.

8900041 Primo

04/30/1992 Ferry-Morse Seed Company  
'Primo' is most similar to 'Milano'; however, 'Primo' is earlier, as measured by days to first flowering (35 to 51 vs 37 to 57). Also, 'Primo' has a greater pod width (17 to 22mm vs 14 to 18mm) than does 'Milano'.

8900152 Tema

06/30/1992 Asgrow Seed Company  
'Tema' is most similar to 'Slenderette' and 'Latemar'; however, 'Tema' has brown seeds, whereas 'Slenderette' has white seeds, and pod length in 'Tema' averages 15.9 mm longer than in 'Latemar'.

8900163 Brio

06/30/1992 Asgrow Seed Company  
'Brio' is most similar to 'Slenderette'; however, the pods of 'Brio' average 14 mm longer than those of 'Slenderette'. Also, 'Brio' has white seeds, whereas 'Tema' has brown seeds.

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
8900184	Label		06/30/1992	Vilmorin, S.A.
	'Label' is most similar to 'Pros'. However, 'Label' has a substantial percentage of pods in the extrafine class (5 to 6.5 mm diameter), whereas 'Pros' has no pods in this class.			
8900185	Vilbel		06/30/1992	Vilmorin, S.A.
	'Vilbel' is most similar to 'Brunot'; however, 'Vilbel' has pink flowers, whereas 'Brunot' has violet flowers. Also, the seeds of 'Vilbel' are black, whereas those of 'Brunot' are brown.			
8900248	Castel		06/30/1992	Vilmorin S.A.
	'Castel' is most similar to 'Primanor'; however, 'Castel' is resistant to <u>Pseudomonas syringae</u> pv <u>phaseolicola</u> , which causes halo blight in beans, whereas 'Primanor' is susceptible.			
9000103	Sunrae		06/30/1992	Rogers NK Seed Co.
	'Sunrae' is most similar to 'Goldrush'. However, 'Sunrae' has larger diameter pods: An average of 30% of the pods fall into sieve size class 5, whereas in 'Goldrush' an average of 10% fall into that size class.			

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

BEAN, GARDEN (Continued)

9000104 Bush Romano 350 04/30/1992 Rogers NK Seed Co.  
 'Bush Romano 350' is most similar to 'Roma II'; however, 'Bush Romano 350' has a longer  
 pod length (15.4 vs 13.7 cm) than 'Roma II'  
 9100044 Gold Mine 06/30/1992 Asgrow Seed Company  
 'Gold Mine' is most similar to 'Goldrush'; however, 'Gold Mine' has moderate resistance to  
Pseudomonas syringae pv phaseolicola which causes halo blight, whereas 'Goldrush' does not  
 have resistance to that pathogen.

9100169 Axel

06/30/1992 Vilmorin, S.A.

'Axel' is most similar to 'Pros'; however, 'Axel' is taller than 'Pros' (average heights  
 50 vs 34 cm). Also, the seed weight per 100 seeds averages 15 g for 'Axel' and 18 g for  
 'Pros'.

BLUEGRASS, KENTUCKY

8900052 Limousine

(2) 04/30/1992 Deutsche Saatveredelung Lippstadt - Bremen  
 GmbH

'Limousine' is most similar to 'Conni'; however, 'Limousine' has a narrower leaf (3 vs 6;  
 1-9 scale; 9=broadest) and weaker anthocyanin coloration of the leaf sheath (1 vs 6; 1-9  
 scale; 9=most anthocyanin) than 'Conni'.

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates  
 the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
<b>CORN, FIELD</b>				
9000139	LH191		04/30/1992	Holden's Foundation Seeds, Inc.
	'LH191' is most similar to 'LH132'. 'LH191' differs from 'LH132' in plant height (192 vs 227 cm) and anther color (yellow vs purple). The tassel branch ends of 'LH191' are vestigial (barren of glumes and anthers); tassels of 'LH132' do not exhibit this trait.			
9100002	BCC03		05/29/1992	Northrup King Co.
	'BCC03' is most similar to 'LH51'. 'BCC03' differs from 'LH51' in anther color (yellow vs green), silk color (green vs salmon), and ear position (upright vs pendant).			
9100084	Lp215D		04/30/1992	Wilson Seeds, Inc.
	'Lp215D' is most similar to 'Mo17'. 'Lp215D' differs from 'Mo17' in number of round kernels (>80 vs <20%), cob diameter (26 vs 20-21 mm), and cob color (white vs red).			
9100093	PHJ90		04/30/1992	Pioneer Hi-Bred International, Inc.
	'PHJ90' is most similar to 'PHG29'. 'PHJ90' differs from 'PHG29' in number of lateral tassel branches (7 vs 18) and anther color (pink vs red).			

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (* )	ISSUE DATE	NAME OF OWNER
</				

CORN, FIELD (Continued)

9100094 PHK93      04/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHK93' is most similar to 'PHT60'. 'PHK93' differs from 'PHT60' in maturity to 50%  
 silking (1630 vs 1500 heat units) and amount of longitudinal creases on the leaves (many  
 vs none).

9100095 PHM81      04/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHM81' is most similar to 'PHG72'. 'PHM81' differs from 'PHG72' in maturity to 50%  
 silking (1230 vs 1450 heat units), amount of marginal waves on leaves (many vs none), and  
 tassel branch angle (<30 vs >45 degrees).

9100096 PHN66      04/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHN66' is most similar to 'PHG71'. 'PHN66' differs from 'PHG71' in amount of marginal  
 waves on leaves (many vs none), fresh husk color (light green vs dark green), and cob  
 color (white vs red).

9100097 PHR03      04/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHR03' is most similar to 'PHG84'. 'PHR03' differs from 'PHG84' in anther color (yellow  
 vs purple) and silk color (pink vs green).

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates  
 the number of generations of certified seed permitted beyond breeder's seed.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
9100099	PHR55		04/30/1992	Pioneer Hi-Bred International, Inc.
	'PHR55' is most similar to 'PHG84'. 'PHR55' differs from 'PHG84' in maturity to 50% silking (1540 vs 1690 heat units) and anther color (yellow vs purple). 'PHR55' differs from 'PHR03' in silk color (green vs pink).			
9100099	PHR58		04/30/1992	Pioneer Hi-Bred International, Inc.
	'PHR58' is most similar to 'PHG83'. 'PHR58' differs from 'PHG83' in number of lateral tassel branches (5 vs 10), anther color (yellow vs red), and silk color (pink vs green).			
9100102	PHW30		04/30/1992	Pioneer Hi-Bred International, Inc.
	'PHW30' is most similar to 'PHV78'. 'PHW03' differs from 'PHV78' in maturity to 50% silking (1500 vs 1610 heat units), anther color (yellow vs red), and silk color (green vs red).			
9100134	MBSJ		04/30/1992	DeKalb Plant Genetics
	'MBSJ' is most similar to 'LH38'. 'MBSJ' differs from 'LH38' in plant height (187 vs 159 cm), ear diameter (35 vs 41 cm), and relative maturity (1664 vs 1585 heat units to 50% silking).			

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.



CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
9100135	MBUB		04/30/1992	DeKalb Plant Genetics
	'MBUB' is most similar to 'LH38'. 'MBUB' differs from 'LH38' in tassel branch number (0 vs 6) and in plant height (228 vs 179 cm). 'MBUB' differs from 'MBSJ' in silk color (pink vs green-yellow).			
9100201	LH215		04/30/1992	Holden's Foundation Seeds, Inc.
	'LH215' is most similar to 'Mo17HT'. 'LH215' differs from 'Mo17HT' in anther color (pink vs yellow) and in glume color (green with a red ring at the base vs green without the red ring).			
9100222	MM402A		04/30/1992	DeKalb Plant Genetics
	'MM402A' is most similar to 'LH38'. 'MM402A' differs from 'LH38' in number of lateral branches (0 vs 7), in number of kernel rows (18 vs 14), and in maturity to 50% silking (1539 vs 1337 h.u.)			
9100223	31BZ2		04/30/1992	DeKalb Plant Genetics
	'31BZ2' is most similar to 'MBS847'. '31BZ2' differs from 'MBS847' in cob color (white vs red), in lateral tassel branch number (7 vs 17) and in maturity to 50% silking (1173 vs 1380 h.u.).			

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
9100255	LIBC4		04/30/1992	Dekalb Plant Genetics
	'LIBC4' is most similar to 'MBS847'. 'LIBC4' differs from 'MBS847' in glume color (green vs red) and in lateral tassel branch number (4 vs 10). 'LIBC4' differs from '3IBZ2' in cob color (pink vs white).			
9100256	83IBI3		04/30/1992	Dekalb Plant Genetics
	'83IBI3' is most similar to 'MBS847'. '83IBI3' differs from 'MBS847' in brace root color (red vs green) and in ear weight (113 vs 79 g). '83IBI3' differs from '3IBZ2' in cob color (red vs white), and differs from 'LIBC4' in leaf sheath pubescence (light vs heavy).			
9200020	LH197		04/30/1992	Holden's Foundation Seeds, Inc.
	'LH197' is most similar to 'LH132'. 'LH197' differs from 'LH132' in anther color (yellow vs purple) and in silk color (red vs green).			
9200024	LH199		05/29/1992	Holden's Foundation Seeds, Inc.
	'LH199' is most similar to 'LH195'. 'LH199' differs from 'LH195' in silk color (pink vs green) and in anther color (purple vs yellow with purple markings).			

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
<u>CORN, FIELD (Continued)</u>				
9200028	LH216		05/29/1992	Holden's Foundation Seeds, Inc.
	'LH216' is most similar to 'LH51'. 'LH216' differs from 'LH51' in silk color (green vs salmon) and in ear position (upright vs pendent).			
9200078	PBHA6		06/30/1992	Pioneer Hi-Bred International, Inc.
	'PBHA6' is most similar to 'PHZ51'. 'PBHA6' differs from 'PHZ51' in fresh husk color (light green vs dark green) and in ear position (upright vs pendent). In side-by-side trials, 'PBHA6' reached 50% silking earlier than 'PHZ51' (1453 vs 1525 heat units).			
9200082	PHGV6		06/30/1992	Pioneer Hi-Bred International, Inc.
	'PHGV6' is most similar to 'PHK46'. 'PHGV6' differs from 'PHK46' in number of lateral tassel branches (5 vs 8), in ear position (upright vs pendent), and in anther color (yellow vs green).			
9200083	PHGW7		06/30/1992	Pioneer Hi-Bred International, Inc.
	'PHGW7' is most similar to 'PHR25'. 'PHGW7' differs from 'PHR25' in anther color (green vs purple) and in silk color (yellow vs green).			

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	NAME OF OWNER		
		GEN.	ISSUE	DATE
		(*)		

CORN, FIELD (Continued)

9200084 PHHV4

'PHHV4' is most similar to 'PHR61'. 'PHHV4' differs from 'PHR61' in lateral tassel branch number (4 vs 1) and in kernel shape grade (40-60 vs <20 percent round kernels). In side-by-side trials, 'PHHV4' reached 50% silking earlier than 'PHR61' (1397 vs 1491 heat units).

06/30/1992

Pioneer Hi-Bred International, Inc.

9200086 PHN18

'PHN18' is most similar to 'PHT60'. 'PHN18' differs from 'PHT60' in anther color (yellow vs green), and in lateral tassel branch number (4 vs 8).

06/30/1992

Pioneer Hi-Bred International, Inc.

9200087 PHP85

'PHP85' is most similar to 'PHT10'. 'PHP85' differs from 'PHT10' in leaf color (dark green vs light green), in anther color (yellow vs purple), in silk color (salmon vs green), in cob color (red vs white), and in number of lateral tassel branches (3 vs 11).

06/30/1992

Pioneer Hi-Bred International, Inc.

9200088 PHPR5

'PHPR5' is most similar to 'PHW52'. 'PHPR5' differs from 'PHW52' in anther color (yellow vs purple), in cob color (white vs red), and in silk color (pink vs green).

06/30/1992

Pioneer Hi-Bred International, Inc.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

**CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM**

**APRIL 1, 1992 TO JUNE 30, 1992**

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
-----------	---------	----------	------------	---------------

**CORN, FIELD (Continued)**

9200089 PHR30 06/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHR30' is most similar to 'PHG47'. 'PHR30' differs from 'PHG47' in anther color (yellow vs green), in fresh husk color (light green vs dark green), and in cob color (red vs white).

9200091 PHT47 06/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHT47' is most similar to 'G39'. 'PHT47' differs from 'G39' in anther color (red vs yellow), in silk color (pink vs green-yellow), and kernel row distinctness (distinct vs indistinct).

9200092 PHT69 06/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHT69' is most similar to 'PHJ40'. 'PHT69' differs from 'PHJ40' in anther color (red vs yellow), in silk color (yellow vs green), and in lateral tassel branch angle (>45 vs <30 degrees).

9200095 PHV53 06/30/1992 Pioneer Hi-Bred International, Inc.  
 'PHV53' is most similar to 'PHR63'. 'PHV53' differs from 'PHR63' in anther color (pink vs yellow), in ear position (upright vs pendant), and in 50% silk maturity (1679 vs 1471 heat units).

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	NAME OF OWNER		
		GEN. (*)	ISSUE (*)	DATE

CORN, FIELD (Continued)

9200096 PHVA9

'PHVA9' is most similar to 'PHK29'. 'PHVA9' differs from 'PHK29' in anther color (pink vs yellow), in silk color (yellow vs green), in fresh husk color (light green vs dark green), and in 50% silk maturity (1393 vs 1521 heat units).

06/30/1992

Pioneer Hi-Bred International, Inc.

9200097 PHWG5

'PHWG5' is most similar to 'PHG83'. 'PHWG5' differs from 'PHG83' in number of lateral tassel branches (3 vs 10), anther color (pink vs red), and fresh husk color (light green vs dark green).

06/30/1992

Pioneer Hi-Bred International, Inc.

COTTON

8900125 Rogers LG 86

'Rogers LG 86' is most similar to 'Rogers LG 102'; however, 'Rogers LG 86' has a storm proof boll with 33 seeds/boll whereas 'Rogers LG 102' has a storm resistant boll with 27 seeds/boll.

05/29/1992

Rogers LG Cottonseed Co.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN.		NAME OF OWNER	
		(*)	ISSUE DATE	(*)	

LETTUCE

8900097 Gemini (\*) 04/30/1992 Sakata Seed America, Inc.  
'Gemini' is most similar to 'Ithaca'; however, 'Gemini' differs from 'Ithaca' in head weight and leaf color. 'Gemini' has a head weight of 950g, whereas that of 'Ithaca' has a head weight of 750 g. Gemini' has a dark green leaf (143A on the RHS Colour Chart), whereas that of 'Ithaca' is medium green (144C on the RHS Colour Chart).

8900099 Vulcan (\*) 06/30/1992 Sakata Seed America, Inc.  
'Vulcan' is most similar to 'Red Fire'; however, 'Vulcan' differs from 'Red Fire' in plant height, weight, and leaf color. The plant height and weight of 'Vulcan' are 22 cm and 380 g respectively, whereas those of 'Red Fire' are 18 cm and 190 g respectively. The leaf color of 'Vulcan' is marked with sharp red purple (RHS 71A), whereas that of 'Red Fire' is marked with moderate red purple (RHS 67A).

8900110 Bella Rosa 05/29/1992 Plant Genetics, Inc.  
'Bella Rosa' is most similar to 'Red Coach 74'; however, 'Bella Rosa' differs from 'Red Coach 74' in having red color in the frame, wrapper and head leaves, whereas 'Red Coach 74' does not.

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

LETTUCE (Continued)

8900182 Sangria 06/30/1992 Vilmorin, S.A.  
'Sangria' is most similar to 'Merveille des 4 Saisons'; however, 'Sangria' is resistant to downy mildew and lettuce mosaic virus, whereas 'Merveille des 4 Saisons' is not.

8900183 Sudia 06/30/1992 Vilmorin, S.A.  
'Sudia' is most similar to 'Sucrine'; however, the seeds of 'Sudia' are black, whereas the seeds of 'Sucrine' are white.

8900281 Raider 06/30/1992 Genecorp, Inc.  
'Raider' is most similar to 'Autumn Gold'; however, 'Raider' differs from 'Autumn Gold' in having a larger frame diameter and head diameter. The frame diameter and head diameter of 'Raider' are 49 cm and 15 cm respectively, whereas those of 'Autumn Gold' are 46 cm and 14 cm respectively. In addition, color and indentation of mature leaves for 'Raider' are light green and a shallowly dentate, whereas those of 'Autumn Gold' are dark green and deeply dentate.

9000025 Zenith 05/29/1992 Bruce Church, Inc.  
'Zenith' is most similar to 'Pioneer'; however, 'Zenith' is resistant to California downy mildew pathotype 3 whereas 'Pioneer' is susceptible. In addition, 'Zenith' differs from 'Pioneer' in having smaller head size (46 cm) than 'Pioneer' (47 cm).

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.



**CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM**

**APRIL 1, 1992 TO JUNE 30, 1992**

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
-----------	---------	----------	------------	---------------

**LETTUCE (Continued)**

9000137 Darkland Cos  
 (\*) 05/29/1992 Central Valley Seeds, Inc.  
 'Darkland Cos' is most similar to 'Parris Island Cos'; however, 'Darkland Cos' differs from 'Parris Island Cos' in having heavier plant weight and much darker color. The plant weight of 'Darkland Cos' is 886 g, whereas that of 'Parris Island Cos' is 698 g.  
 'Darkland Cos' has a Hue Value/Chroma of 5GY4/6 on the Munsell Color Chart, whereas 'Parris Island Cos' has a value of 5GY5/6 on the Munsell Color Chart.

9000257 Rambo  
 06/30/1992 Genecorp, Inc.  
 'Rambo' is most similar to 'Yuma'; however, 'Rambo' has a yellow-green color of 146C on the RHS Colour Chart, whereas 'Yuma' has a green color of 143C on the same color chart. In addition, 'Rambo' matures 3 to 4 days earlier than 'Yuma'.

9100239 Aragon Red  
 05/29/1992 Central Valley Seeds, Inc.  
 'Aragon Red' is most similar to 'Deep Red'; however, 'Aragon Red' has a longer leaf length than 'Deep Red', 24 vs 19-20 cm. Additionally, 'Aragon Red' has a Hue Value/Chroma of 5 R 3/4 on the Munsell Color Chart, whereas 'Deep Red' has a value of 5 R 3/2 on the Munsell Color Chart.

---

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

LETTUCE (Continued)

9100259 Bautista      04/30/1992      Royal Sluis, Koninklijke Zaaizaadbedrijven  
'Bautista' is most similar to 'Parris Island Cos'; however, 'Bautista' is resistant to  
lettuce mosaic virus and corky root rot, whereas 'Parris Island Cos' is not.  
Additionally, the color of 'Bautista' is dark green, 146A on the RHS Colour Chart, whereas  
that of 'Parris Island Cos' is 146B on the same color chart.

9200143 Ultra Green      06/30/1992      Brinker Orsetti Seed Co., Inc.  
and Summit Seeds, Inc.

'Ultra Green' is most similar to 'Genecorp Green'; however, 'Ultra Green' has darker green  
color than 'Genecorp Green', 141B vs 143A on the RHS Color Chart. Additionally, 'Ultra  
Green' bolts 8 days later than 'Genecorp Green'.

OAT

9000203 Ensiler      (2)      05/29/1992      Wisconsin Agricultural Experiment Station  
'Ensiler' is most similar to 'Lodi' and 'Rodney'; however, 'Ensiler' is resistant to crown  
(leaf) rust, barley yellow dwarf virus (BYDV) and loose smut, whereas 'Lodi' and 'Rodney'  
are susceptible to these diseases.

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates  
the number of generations of certified seed permitted beyond breeder's seed.

**CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM**

**APRIL 1, 1992 TO JUNE 30, 1992**

CERT. NO.	VARIETY	NAME OF OWNER		
		GEN. (*)	ISSUE DATE	

**PRIMROSE, EVENING**

9000209 Merlin

05/29/1992 Scotia Pharmaceuticals Limited  
'Merlin' is most similar to 'Constable'; however, 'Merlin' lacks stem spots and bud anthocyanin, whereas 'Constable' has stem spots and bud anthocyanin.

**RICE**

8900101 M-103

(3) 05/29/1992 California Cooperative Rice Research  
Foundation, Inc.

'M-103' is most similar to 'M-101'; however, 'M-103' is more resistant to lodging (11 vs 39%) and more resistant to blanking caused by low temperature (92 vs 81% spikelet fertility under greenhouse conditions and in field trials at Davis, CA) than 'M-101'.

9000158 S-301

(3) 05/29/1992 California Cooperative Rice Research  
'S-301' is most similar to 'S-201'; however, 'S-301' has better resistance to blanking caused by cool temperature than 'S-201' (89 vs 81% spikelet fertility; Davis, CA; 78 vs 59% spikelet fertility; San Joaquin, CA).

9100204 L-203

(3) 05/29/1992 California Cooperative Rice Research  
'L-203' is most similar to 'L-202'; however, 'L-203' is an average of 6 cm taller (89 vs 83 cm) than 'L-202'.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

## SORGHUM

8900256 HP150

05/29/1992 Holden's Foundation Seeds, Inc.  
'HP150' is most similar to 'TX2737'; however, 'HP150' is resistant to biotype E of Schizaphis graminum (greenbug), has a mahogany glume color, and an average awn length of 3 mm, whereas 'TX2737' is susceptible to biotype E of S. graminum, has a straw glume color, and an average awn length of less than one mm.

8900258 R159

05/29/1992 Northrup King Co.  
'R159' is most similar to 'TX2737'; however, 'R159' is resistant to biotype E of Schizaphis graminum (greenbug), whereas 'TX2737' is susceptible to biotype E of S. graminum.

8900283 R145

05/29/1992 Northrup King Co.  
'R145' is most similar to 'RTx430'; however, 'R145' is resistant to pathotype 3 of Peronosclerospora (Sclerospora) sorghi (downy mildew), whereas 'RTx430' is susceptible to pathotype 3 of P. sorghi.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

**CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM**

**APRIL 1, 1992 TO JUNE 30, 1992**

CERT. NO.	VARIETY	NAME OF OWNER	
		GEN. ISSUE	DATE
		(*)	

**SOYBEAN**

9000172 Bell (3) 05/29/1992 University of Illinois  
 'Bell' is most similar to 'Sibley'; however, 'Bell' is resistant to race three and four of Heterodera glycines (soybean cyst nematode), susceptible to race one of Phytophthora megasperma var. sojae (phytophthora root rot), has a purple flower color, a brown pubescence color, a black hila color, and a shiny seedcoat; whereas 'Sibley' is susceptible to race three and four of H. glycines, resistant to race one of P. megasperma var. sojae, has a white flower color, a gray pubescence color, a yellow hila color, and a dull seedcoat.

9000236 Buckshot 723 06/30/1992 Louisiana Agricultural Experiment Station  
 'Buckshot 723' is most similar to '9751'; however, 'Buckshot 723' has a white flower color, whereas '9751' has a purple flower color.

9100040 Archer (3) 05/29/1992 Iowa State University Research Foundation,  
 'Archer' is most similar to 'BSR 101'; however, 'Archer' is resistant to races 1-22, 24, and 25 of Phytophthora megasperma (phytophthora root rot), whereas 'BSR 101' is susceptible.

---

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

**SUNFLOWER**

8900168 Sunspot 05/29/1992 K. SAHIN, Zaden B.V.  
'Sunspot' is most similar to 'Uniflorus Giganteus'; however, 'Sunspot' is 270 cm (60 vs 330 cm) shorter than 'Uniflorus Giganteus'.

**TOMATO**

8900274 XP 5034 04/30/1992 Asgrow Seed Company  
'XP 5034' is most similar to 'UC82'; however, 'XP 5034' is resistant to race 2 of Fusarium oxysporum (fusarium wilt) and has a light green shoulder on "mature green" fruit, whereas 'UC82' is susceptible to race 2 and has uniform green fruit at the "mature green" stage.

9000072 Ohio 7983 05/29/1992 The Ohio State University  
'Ohio 7983' is most similar to 'Ohio 7870'; however, 'Ohio 7983' has a jointless pedicel and a prostrate spreading vine, whereas 'Ohio 7870' has a jointed pedicel and a compact upright vine.

-----  
(\* ) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	NAME OF OWNER		
		GEN. (*)	ISSUE DATE	

WHEAT, COMMON

8800077 W2501

'W2501' is most similar to 'Wheaton' and 'W2502'; however, 'W2501' has shorter glume beaks than either 'Wheaton' (2.3 vs 5.1 mm) or 'W2502' (2.3 vs 4.7 mm).

8800078 W2502

(3) 04/30/1992 AgriPro Biosciences, Inc.  
'W2502' is most similar to 'Wheaton' and 'W2501' except 'W2502' has stronger straw (lodging score 1.3 vs 3.0) than 'Wheaton' and is 1.3 days earlier heading than 'Wheaton'.

-----  
(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

**CERTIFICATES AMENDED**

**APRIL 1, 1992 TO JUNE 30, 1992**

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
8900186	Mayflower	(2)	05/29/1992	Michigan State University

**BEAN, FIELD**

8900186 Mayflower

To be sold by variety name only as a class of certified seed with 2 generations of certified seed permitted beyond breeder's seed.

**COTTON**

8600087 Paymaster HS 26

(3) 09/30/1986 Cargill Incorporated, Seed Division

To be sold by variety name only as a class of certified seed with 3 generations of certified seed permitted beyond breeder's seed.

**WHEAT, COMMON**

9000071 Vance

(3) 09/30/1991 The Curators of the University of Missouri

To be sold by variety name only as a class of certified seed with 3 generations of certified seed permitted beyond breeder's seed.

-----  
 (\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.



# CERTIFICATES EXPIRED

APRIL 1, 1992 TO JUNE 30, 1992

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name, only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
ASTER, CHINA 7500025	Red Mound	06/27/1992	W. Atlee Burpee Co.
BEAN, GARDEN 7100025	Rodeo	04/18/1992	Asgrow Seed Company
7100066	Slenderette	05/01/1992	James L. Musser & C. A. Davenport
7500070	Spurt	08/08/1992	Asgrow Seed Company
7500071	Bush Blue Lake 53	08/08/1992	Asgrow Seed Company
BEAN, LIMA 7200055	Mendoza	04/08/1992	Ben Fish and Son
7300045	Bush Florida Butter	04/08/1992	Ben Fish and Son

CERTIFICATES EXPIRED  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
BLUEGRASS, KENTUCKY 7400017	Enmundi	08/08/1992	Van Engelen Zaden B.V., Neth.
CALENDULA 7100079	Golden Gem	06/27/1992	W. Atlee Burpee Company
7400032	Orange Gem	06/27/1992	W. Atlee Burpee Co.
COTTON 7200042	Deltapine SR-1	06/27/1992	West Texas Seed & Delinting, Inc.
7200043	Deltapine SR-2	06/27/1992	West Texas Seed & Delinting, Inc.
7200045	Tamcot SP23	04/18/1992	Texas Agric. Expt. Sta.
7200046	Tamcot SP37	05/01/1992	Texas Agric. Expt. Sta.
7200047	Tamcot SP21	08/08/1992	TEXAS AGRIC. EXPT. STA.
7200081	TPSA 1633	08/08/1992	Valley Co-op Oil Mill

**CERTIFICATES EXPIRED**  
**APRIL 1, 1992 TO JUNE 30, 1992**

<b>CERT. NO.</b>	<b>VARIETY</b>	<b>EXPIRATION DATE</b>	<b>NAME OF APPLICANT</b>
<b>COTTON (Continued)</b>			
7300057	Stoneville 603	05/01/1992	Stoneville Pedigreed Seed Company, Inc.
7300089	Dixie King III	06/27/1992	Bobshaw Pedigreed Seed Co.
7400096	Dunn 120	04/08/1992	Dunn Seed Farms, Inc.
7500028	Lambright GL-N	06/27/1992	J. H. Lambright
7500029	Lambright GL-5	06/27/1992	J. H. Lambright
<b>LETTUCE</b>			
7400010	Red Coach 74	04/08/1992	Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.
<b>MARIGOLD</b>			
7200087	Gypsy Sunshine	08/08/1992	Les Produits Organiques du Santerre-Orsan S.A.
7400048	Aztec Orange	04/08/1992	Goldsmith Seeds, Inc.
7400049	Aztec Gold	04/08/1992	Goldsmith Seeds, Inc.
7400050	Aztec Yellow	04/08/1992	Goldsmith Seeds, Inc.

CERTIFICATES EXPIRED  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
NASTURTIUM 7200005	Primrose Jewel	05/01/1992	Denholm Seeds
7200007	Orange Jewel	06/27/1992	Denholm Seeds
PEA 7300095	Aspen	05/01/1992	Pure Line Seeds, Inc.
7400084	Ivy	05/01/1992	Asgrow Seed Company
7400085	Abador	04/08/1992	Asgrow Seed Company
7500031	Dash	05/01/1992	Asgrow Seed Company
POPPY, CALIFORNIA 7400030	Ballerina Yellow	04/18/1992	W. Atlee Burpee Co.
RICE 7400076	Ampec	06/30/1992	Rice Researchers, Inc.

CERTIFICATES EXPIRED

APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
<b>SOYBEAN</b>			
7300058	Forrest	08/08/1992	Mississippi Agric. For. Expt. Sta.
7300065	Peterson 85	04/08/1992	Pioneer Hi-Bred International, Inc.
7400038	Brysoy 9	05/01/1992	Bryco Plant Research Division
7400105	Evans	04/18/1992	Minnesota Agric. Expt. Sta.
7400106	Hodgson	04/18/1992	Minnesota Agric. Expt. Sta.
7500052	Emerald	08/08/1992	Delaware Agric. Expt. Sta.
<b>SWEETPEA</b>			
7200122	Jet-Set Killarney	06/27/1992	Ferry-Morse Seed Co.
7200124	Jet-Set Madrid	08/08/1992	Ferry-Morse Seed Co.
7200125	Jet-Set St. Moritz	08/08/1992	Ferry-Morse Seed Co.

CERTIFICATES EXPIRED  
APRIL 1, 1992 TO JUNE 30, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
<b>VERBENA, ANNUAL</b>			
7100009	Ruffled White	04/08/1992	W. Atlee Burpee Co.
7100088	Ruffled Pink	04/08/1992	W. Atlee Burpee Company
<b>WHEAT, COMMON</b>			
7200037	McNair 4823	04/08/1992	Northrup King Company
7200102	Centurk	04/08/1992	Nebraska Agric. Expt. Sta.
7400087	Profit 75	04/18/1992	World Seeds, Inc.
7500005	Prodax	06/30/1992	HybriTech Seed International, Inc.
7500006	McNair 1813	05/01/1992	Northrup King Company
7500010	W-504	06/27/1992	North American Plant Breeders
7500033	Probred	06/30/1992	Northrup King Company
<b>WHEAT, DURUM</b>			
7400009	Produra	06/30/1992	Northrup King Company

#### GENERAL INFORMATION

##### Senior Plant Variety Examiner Retires

Mr. Eldon E. Taylor, Plant Examiner, retired on May 1, 1992 after 21 years with the Plant Variety Protection Office. Mr. Taylor had served with the Office since its inception in 1971, advancing from the position of Librarian/Computer Operator to that of Senior Examiner.





The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
PLANT VARIETY PROTECTION OFFICE  
NAL BUILDING, ROOM 500  
10301 BALTIMORE BLVD.  
BELTSVILLE, MARYLAND 20705-2351

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300



00723 02001/20705AC091 1 0001  
IA ACOSTA  
SERIALS BRANCH RM 002  
NATIONAL AGRIC LIBRARY  
BELTSVILLE MD 20705-9999